Ham-Equip Digest              Tue,  2 Nov 93       Volume 93 : Issue   91

Today's Topics:
                     How to calibrate a DVM
                      Problem with HW-101
                  The old ICOM BC-35 chargers...

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party.  Your mileage may vary.  So there.
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Date: 1 Nov 1993 19:32:55 GMT
From: dog.ee.lbl.gov!agate!spool.mu.edu!nigel.msen.com!ilium!gdls.com!
usenet@network.ucsd.edu
Subject: How to calibrate a DVM
To: ham-equip@ucsd.edu

I have three digital voltmeters in my shack, none of which agree with the others.

The problem I have is how to calibrate the voltage.  I have heard that mercury
cells
like those used in cameras are quite stable and consistent in voltage and that
they
can be used to calibrate a meter.

Has anyone had experience with this?  Will it work?  Is there a better way?

Thanks

Bill

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Date: 1 Nov 93 15:40:20 GMT
From: ogicse!uwm.edu!spool.mu.edu!darwin.sura.net!mojo.eng.umd.edu!
mebly@network.ucsd.edu
Subject: Problem with HW-101
To: ham-equip@ucsd.edu

I'm trying to figure out a problem with low RF output from an HW-101 and I'm
hoping to gain enlightenment from the net. :-)

The problem is low RF output (less than 10 watts).  The driver and final
tubes have been replaced.

The only way to increase the RF output is to change the bias setting for
the plate current (actually measured as cathode current) on the final tubes
to a value far exceeding the alignment value from the manual.

I haven't found any component failures or other problems in the final RF
amplifier or driver.  The less than 10 watts seems to be clean RF.

Does anyone out in netland have any ideas?

Thanks and 73.  Please respond via e-mail.

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Mark Bailey     KD4D          Motto:  Life's too short to drink cheap beer.
mebly@eng.umd.edu             Disclaimer:  I didn't really say this.

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Date: 1 Nov 93 17:24:23 GMT
From: ogicse!emory!rsiatl!ke4zv!gary@network.ucsd.edu
Subject: The old ICOM BC-35 chargers...
To: ham-equip@ucsd.edu

In article <158481@netnews.upenn.edu> yee@mipg.upenn.edu (Conway Yee) writes:
>I am trying to find out how the old BC-35 ICOM rapid desk chargers (for the
>large old style batteries) charges the batteries.  It it constant current
>until shutoff?  Is it pulsed?  How does it decide when to stop?
>
>Ultimately, I would like to know how hard on the batteries the charger is.
>If it is in general bad for nicads, I would like to know of plans for smart
>chargers so that I can retrofit the charger with new electronics.

This charger has two modes, high charge, and low charge. It changes
from high to low based on a temperature sensor in the battery pack.
This prevents the charger from severely overcharging the battery on

high charge, but it doesn't prevent the charger from overcharging
the battery on low charge. An intelligent pulse charger would be
better, but at least this charger won't fry batteries as quickly
as some other chargers, such as the older Yaesu charger.

Temperature sensing is an acceptable way to determine end of charge
conditions, but it would be better if the charger didn't switch to
continous slow charge after detecting full charge by temperature.

Gary
--
Gary Coffman KE4ZV          |"If 10% is good enough | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | for Jesus, it's good   | uunet!rsiatl!ke4zv!gary
534 Shannon Way             | enough for Uncle Sam."| emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244     | -Ray Stevens          |

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Date: 1 Nov 93 20:43:54 GMT
From: sdd.hp.com!col.hp.com!dfk@hplabs.hp.com
To: ham-equip@ucsd.edu

References <CF9H7t.9I8@cpqhou.sys.hou.compaq.com>,
<2a73ng$7rr@vixen.cso.uiuc.edu>, <willmore.751317030@metropolis.gis.iastate.edu>
Subject : Re: Can Kenwood TM732A play games?

I've waited almost two weeks now, and haven't found anybody that knows how
to play any type of game on the TM732A mobile dualband radio.  I got a few
pointers to the 741/742 rigs, but they claim the info is in the manual.

So I guess I'll just have to be happy talking and scanning, and get
a Gameboy...  (I wonder if the Gameboy has a PTT key somewhere?)

Thanks for all the help.
73
Dave N0UVR
dfk@col.hp.com

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Date: 1 Nov 93 14:44:55 GMT
From: sdd.hp.com!spool.mu.edu!mixcom.com!kevin.jessup@hplabs.hp.com
To: ham-equip@ucsd.edu

References <haber-271093161943@fp5.camb.inmet.com>, <22705@news.duke.edu>,
<2aom37$r0h@nntpd.lkg.dec.com>
Subject : Re: Alinco DJ580T intermod.

In <2aom37$r0h@nntpd.lkg.dec.com> legerlotz@smaug.enet.dec.com () writes:

>I've found that Alinco equipment is more prone to intermod than most other
>equipment (kenwood, icom, yaesu), especially out of band.

I own a Kenwood TH28A 2-meter HT and the Alinco DJ580T (serial number
over 16000) dual-bander.  The Alinco is far superior to the Kenwood
in intermod rejection.

I regularly use the Alinco with a Cushcraft vertical up on the roof and
get little or no intermod.  The Kenwood is blown-away by intermod
when I install a Diamond super-duck (about 18 inches long).

The Kenwood does better on the Aircraft band (if you care about
that stuff), but as far a the amateur bands go, I'll stay with
the Alinco.

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Kevin Jessup                                    !politically_correct
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          The U.S. Constitution defines the rights the people
                  give to the government, not the reverse!

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